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=> s detect? (l) syphilis
L1 4560 DETECT? (L) SYPHILIS

=> s synthetic (l) antigen
L2 66801 SYNTHETIC (L) ANTIGEN

=> s l1 and l2
L3 705 L1 AND L2

=> s l3 and cardiolipin
L4 35 L3 AND CARDIOLIPIN

=> s l4 and lecithin
L5 21 L4 AND LECITHIN

=> dup rem l5
PROCESSING COMPLETED FOR L5
L6 16 DUP REM L5 (5 DUPLICATES REMOVED)

=> d l6 1-16 ibib abs

L6 ANSWER 1 OF 16 USPATFULL
ACCESSION NUMBER: 2003:57453 USPATFULL
TITLE: 27411, a novel human PGP synthase
INVENTOR(S): Meyers, Rachel A., Newton, MA, UNITED STATES
PATENT ASSIGNEE(S): Millennium Pharmaceuticals, Inc. (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003040017	A1	20030227
APPLICATION INFO.:	US 2002-229662	A1	20020828 (10)

RELATED APPLN. INFO.: Division of Ser. No. US 2001-795691, filed on 28 Feb 2001, GRANTED, Pat. No. US 6465230

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-185517P	20000228 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	ALSTON & BIRD LLP, BANK OF AMERICA PLAZA, 101 SOUTH TRYON STREET, SUITE 4000, CHARLOTTE, NC, 28280-4000	
NUMBER OF CLAIMS:	18	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	6 Drawing Page(s)	
LINE COUNT:	4344	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to a newly identified human PGP synthase. The invention also relates to polynucleotides encoding the PGP synthase. The invention further relates to methods using the PGP synthase polypeptides and polynucleotides as a target for diagnosis and treatment in PGP synthase-mediated or -related disorders. The invention further relates to drug-screening methods using the PGP synthase polypeptides and polynucleotides to identify agonists and antagonists for diagnosis and treatment. The invention further encompasses agonists and antagonists based on the PGP synthase polypeptides and polynucleotides. The invention further relates to procedures for producing the PGP synthase polypeptides and polynucleotides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 2 OF 16 USPATFULL

ACCESSION NUMBER: 2003:17382 USPATFULL
TITLE: METHOD OF DIAGNOSING AUTOIMMUNE DISEASE
INVENTOR(S): ROTH, MARK, SEATTLE, WA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003013134	A1	20030116
APPLICATION INFO.:	US 1999-256497	A1	19990223 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1998-75525P	19980223 (60)
	US 1998-75904P	19980225 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	STEVEN L. HIGHLANDER, FULBRIGHT & JAWORSKIL.L.P., 600 CONGRESS AVENUE, SUITE 2400, AUSTIN, TX, 78701	
NUMBER OF CLAIMS:	31	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	7 Drawing Page(s)	
LINE COUNT:	3301	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to diagnostic applications. For autoimmune diseases more particularly, it is demonstrated herein that individuals with SLE, APLA, MCDS and PSS have antibodies that are specific for SR proteins. Thus, in particular aspects the present invention provides methods and compositions for diagnosing autoimmune disease using SR proteins and antibodies to detect the presence of SR protein-specific antibodies in an individual suspected of having autoimmune disease, wherein the presence of such antibodies is indicative of said individual suffering from autoimmune disease.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 3 OF 16 USPATFULL

ACCESSION NUMBER: 2002:85166 USPATFULL
 TITLE: VERTEBRATE EMBRYONIC PATTERNING-INDUCING PROTEINS,
 COMPOSITIONS AND USES RELATED THERTO
 INVENTOR(S): MIAO, NINGNING, CAMBRIDGE, MA, UNITED STATES
 WANG, MONICA, MARBLEHEAD, MA, UNITED STATES
 MAHANTHAPPA, NAGESH K., CAMBRIDGE, MA, UNITED STATES
 PANG, KEVIN, BELMONT, MA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002045206	A1	20020418
APPLICATION INFO.:	US 1997-900220	A1	19970724 (8)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	ROPES & GRAY, ONE INTERNATIONAL PLACE, BOSTON, MA, 02110-2624		
NUMBER OF CLAIMS:	48		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	8 Drawing Page(s)		
LINE COUNT:	5219		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB It is shown here that hedgehog proteins possess novel activities beyond
 phenotype specification. Using cultures derived from the embryonic day
 14.5 (E14.5) rat ventral mesencephalon, we show that hedgehog is also
 trophic for dopaminergic neurons. Interestingly, hedgehog not only
 promotes dopaminergic neuron survival, but also promotes the survival of
 midbrain GABA-immunoeractive (GABA-ir) neurons.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 4 OF 16 USPATFULL

ACCESSION NUMBER: 2001:212137 USPATFULL
 TITLE: 27411, a novel human PGP synthase
 INVENTOR(S): Meyers, Rachel A., Newton, MA, United States

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2001044131	A1	20011122
	US 6465230	B2	20021015
APPLICATION INFO.:	US 2001-795691	A1	20010228 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-185517P	20000228 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	ALSTON & BIRD LLP, BANK OF AMERICA PLAZA, 101 SOUTH TRYON STREET, SUITE 4000, CHARLOTTE, NC, 28280-4000	
NUMBER OF CLAIMS:	22	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	6 Drawing Page(s)	
LINE COUNT:	4380	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to a newly identified human PGP synthase.
 The invention also relates to polynucleotides encoding the PGP synthase.
 The invention further relates to methods using the PGP synthase
 polypeptides and polynucleotides as a target for diagnosis and treatment
 in PGP synthase-mediated or -related disorders. The invention further
 relates to drug-screening methods using the PGP synthase polypeptides
 and polynucleotides to identify agonists and antagonists for diagnosis
 and treatment. The invention further encompasses agonists and
 antagonists based on the PGP synthase polypeptides and polynucleotides.
 The invention further relates to procedures for producing the PGP
 synthase polypeptides and polynucleotides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 5 OF 16 USPATFULL

ACCESSION NUMBER: 2001:112060 USPATFULL
TITLE: Lipid-dependent diagnostic assays
INVENTOR(S): Janoff, Andrew S., Yardley, PA, United States
Rauch, Joyce, Montreal, Canada
Taraschi, Theodore F., Tabernacle, NJ, United States
PATENT ASSIGNEE(S): The Liposome Company, Inc., Princeton, NJ, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6261792	B1	20010717
APPLICATION INFO.:	US 1995-441567		19950515 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1994-201718, filed on 25 Feb 1994, now abandoned Continuation of Ser. No. US 1991-723497, filed on 28 Jun 1991, now abandoned Continuation-in-part of Ser. No. US 1990-623340, filed on 7 Dec 1990, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Gitomer, Ralph		
LEGAL REPRESENTATIVE:	Goodman, Rosanne		
NUMBER OF CLAIMS:	28		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	5 Drawing Figure(s); 2 Drawing Page(s)		
LINE COUNT:	959		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB For use in a lipid-dependent diagnostic assay, a stable aqueous suspension of a phospholipid which normally has a hexagonal (H.sub.II) organization when dispersed in an aqueous medium without detergent, the suspension containing the phospholipid, a detergent, and an aqueous phase. In the stable suspension, the phospholipid remains in suspension at a temperature of 25.degree. C. for at least one hour. The suspension is suitable for providing the phospholipid to an assay for lupus anticoagulants which includes the step of pre-incubating a test sample with the phospholipid.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 6 OF 16 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2000:881429 CAPLUS
DOCUMENT NUMBER: 134:41088
TITLE: Method for **detecting syphilis** using **synthetic antigens**
INVENTOR(S): Pope, Victoria; Castro, Arnold R.; Morrill, William E.
PATENT ASSIGNEE(S): Government of the United States of America, Represented by the Secretary, Department of Health and Human Services, USA
SOURCE: PCT Int. Appl., 34 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000075666	A1	20001214	WO 2000-US15828	20000608

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU,

PCT of this case

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 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
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 CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
 EP 1185872 A1 20020313 EP 2000-939708 20000608
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, SI, LT, LV, FI, RO
 BR 2000011449 A 20020319 BR 2000-11449 20000608
 JP 2003501662 T2 20030114 JP 2001-501890 20000608
 PRIORITY APPLN. INFO.: US 1999-138192P P 19990609
 WO 2000-US15828 W 20000608

AB An **antigen** compn. and method for the **detection** of
 antibodies to Treponema pallidum and the diagnosis of **syphilis**
 are described. The **antigen** compn. contains **synthetic**
cardiolipin and **synthetic lecithin**. The
antigen compn. may addnl. contain cholesterol and an alc. The
antigen compn. is useful as an immunoreagent in immunoassays for
 the **detection** of antibodies assocd. with T. pallidum infection.
 The methods are sensitive and specific for T. pallidum infection.

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 7 OF 16 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE
 1

ACCESSION NUMBER: 2000:334114 BIOSIS

DOCUMENT NUMBER: PREV200000334114

TITLE: Use of **synthetic cardiolipin** and
lecithin in the **antigen** used by the
 Venereal Disease Research Laboratory test for serodiagnosis
 of syphilis.

AUTHOR(S): Castro, Arnold R. (1); Morrill, William E.; Shaw, Walter
 A.; Gale, David C.; Park, Mahin M.; Peregrino-Ferreira,
 Luiz A.; Bazzo, Maria L.; Pope, Victoria

CORPORATE SOURCE: (1) Division of AIDS, STD, and TB Laboratory Research,
 Centers for Disease Control and Prevention, 1600 Clifton
 Rd., Atlanta, GA, 30333 USA

SOURCE: Clinical and Diagnostic Laboratory Immunology, (July, 2000)
 Vol. 7, No. 4, pp. 658-661. print.
 ISSN: 1071-412X.

DOCUMENT TYPE: Article

LANGUAGE: English

SUMMARY LANGUAGE: English

AB The Venereal Disease Research Laboratory (VDRL) test is a
 microflocculation test for **syphilis** that uses an **antigen**
 containing **cardiolipin**, **lecithin**, and cholesterol. For
 more than 50 years, the preparation of natural **cardiolipin** and
lecithin for this test has been based on the Pangborn method which
 involves isolating and purifying these components from beef hearts. This
 process is tedious and time-consuming and results in a variable purity
 range. In our studies, we found that a VDRL **antigen** using
synthetic tetramyristoyl **cardiolipin** and
synthetic 1-palmitoyl-2-oleoyl-sn-glycero-3-phosphocholine (
lecithin) was as specific in **detecting syphilis**
 as a VDRL **antigen** made with natural components. In 85% of the
 cases, we obtained an endpoint titer of 1/2 or 1 dilution more than a
 titer obtained with a VDRL **antigen** made with natural components.
 The use of these pure **synthetic** compounds, with a purity of 99%,
 would offer advantages in the standardization and stability of the VDRL
antigen. Because this **antigen** is the basic ingredient in
 the preparation of nontreponemal reagents such as the rapid plasma reagin,
 toluidine red unheated serum test, and the unheated serum reagin, the use
 of this **synthetic** VDRL **antigen** should also increase
 the reactivity of these reagents.

L6 ANSWER 8 OF 16 USPATFULL

ACCESSION NUMBER: 97:106984 USPATFULL
TITLE: Stabilized microspheres and methods of preparation
INVENTOR(S): Malick, Adrien, Granite, MD, United States
Feindt, Hans H., Parkton, MD, United States
Hahn, Gerald D., Severn, MD, United States
PATENT ASSIGNEE(S): Becton, Dickinson and Company, Franklin Lakes, NJ,
United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5688697		19971118
APPLICATION INFO.:	US 1996-642373		19960503 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1994-343305, filed on 22 Nov 1994, now patented, Pat. No. US 5580735 which is a division of Ser. No. US 1993-1907, filed on 4 Jan 1993, now patented, Pat. No. US 5393527		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Green, Lora M.		
LEGAL REPRESENTATIVE:	Fugit, Donna R.		
NUMBER OF CLAIMS:	15		
EXEMPLARY CLAIM:	1		
LINE COUNT:	744		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Stabilized microspherical particles having hydrophobic liquid cores prepared as oil-in-water microemulsions. The particles are stabilized by a surface layer comprising an amphiphilic compound and may be functionalized to allow covalent coupling of a ligand to the surface of the particle. When used as tracers in assays, a water insoluble dye may be incorporated in the core liquid of the microparticles.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 9 OF 16 USPATFULL
ACCESSION NUMBER: 97:47266 USPATFULL
TITLE: Stabilized microspheres and methods of preparation
INVENTOR(S): Malick, Adrien, Granite, MD, United States
Feindt, Hans H., Parkton, MD, United States
PATENT ASSIGNEE(S): Becton, Dickinson and Company, Franklin Lakes, NJ,
United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5635357		19970603
APPLICATION INFO.:	US 1994-343313		19941122 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1993-1907, filed on 4 Jan 1993, now patented, Pat. No. US 5393527		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Cunningham, Thomas M.		
LEGAL REPRESENTATIVE:	Fugit, Donna R.		
NUMBER OF CLAIMS:	7		
EXEMPLARY CLAIM:	1		
LINE COUNT:	704		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Stabilized microspherical particles having hydrophobic liquid cores prepared as oil-in-water microemulsions. The particles are stabilized by a surface layer comprising an amphiphilic compound and may be functionalized to allow covalent coupling of a ligand to the surface of the particle. When used as tracers in assays, a water insoluble dye may be incorporated in the core liquid of the microparticles.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 10 OF 16 USPATFULL

ACCESSION NUMBER: 97:31625 USPATFULL
TITLE: Stabilized microspheres and methods of preparation
INVENTOR(S): Malick, Adrien, Granite, MD, United States
Feindt, Hans H., Parkton, MD, United States
Hahn, Gerald D., Severn, MD, United States
PATENT ASSIGNEE(S): Becton, Dickinson and Company, Franklin Lakes, NJ,
United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5620903		19970415
APPLICATION INFO.:	US 1995-374001		19950118 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1993-1907, filed on 4 Jan 1993, now patented, Pat. No. US 5393527, issued on 28 Feb 1995		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Scheiner, Toni R.		
ASSISTANT EXAMINER:	Huff, Sheela J.		
LEGAL REPRESENTATIVE:	Fugit, Donna R.		
NUMBER OF CLAIMS:	14		
EXEMPLARY CLAIM:	1		
LINE COUNT:	935		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Stabilized microspherical particles having hydrophobic liquid cores prepared as oil-in-water microemulsions. The particles are stabilized by a surface layer comprising an amphiphilic compound and may be functionalized to allow covalent coupling of a ligand to the surface of the particle. When used as tracers in assays, a water insoluble dye may be incorporated in the core liquid of the microparticles.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 11 OF 16 USPATFULL

ACCESSION NUMBER: 97:3692 USPATFULL
TITLE: Stabilized microspheres and methods of preparation
INVENTOR(S): Malick, Adrien, Granite, MD, United States
Feindt, Hans H., Parkton, MD, United States
PATENT ASSIGNEE(S): Becton, Dickinson and Company, Franklin Lakes, NJ,
United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5593843		19970114
APPLICATION INFO.:	US 1994-343795		19941122 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1993-1907, filed on 4 Jan 1993, now patented, Pat. No. US 5393527, issued on 28 Feb 1995		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Scheiner, Toni R.		
ASSISTANT EXAMINER:	Huff, Sheela J.		
LEGAL REPRESENTATIVE:	Fugit, Donna R.		
NUMBER OF CLAIMS:	9		
EXEMPLARY CLAIM:	1		
LINE COUNT:	758		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Stabilized microspherical particles having hydrophobic liquid cores prepared as oil-in-water microemulsions. The particles are stabilized by a surface layer comprising an amphiphilic compound and may be functionalized to allow covalent coupling of a ligand to the surface of the particle. When used as tracers in assays, a water insoluble dye may be incorporated in the core liquid of the microparticles.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 12 OF 16 USPATFULL

ACCESSION NUMBER: 96:113849 USPATFULL
TITLE: Determination and detection of antibody and its
immunoglobulin class
INVENTOR(S): Ito, Michio, Yokohama, Japan
Ogura, Minoru, Yokohama, Japan
Kohno, Hideki, Kawasaki, Japan
PATENT ASSIGNEE(S): Mitsubishi Kasei Corporation, Tokyo, Japan (non-U.S.
corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5583054		19961210
APPLICATION INFO.:	US 1994-312431		19940926 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1993-64370, filed on 19 May 1993, now abandoned which is a continuation of Ser. No. US 1990-557390, filed on 24 Jul 1990, now abandoned		

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1989-195968	19890728
	JP 1990-162056	19900620
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Feisee, Lila	
ASSISTANT EXAMINER:	Wolski, Susan C.	
LEGAL REPRESENTATIVE:	Conlin, David G., Resnick, David S.Dike, Bronstein, Roberts & Cushman, LLP	
NUMBER OF CLAIMS:	19	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	3 Drawing Figure(s); 3 Drawing Page(s)	
LINE COUNT:	734	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention provides a method for determining the presence of a class of an antibody in a biological sample. In this method, a first reagent including insoluble particles having an antigen to the antibody immobilized on the surface thereof, and a second reagent including insoluble magnetic particles having immobilized on the surface thereof a substance particularly reactive to a specific immunoglobulin class, is reacted with the sample under conditions to promote agglutination of the first and second reagents with the antibody. The unreacted second reagent and the agglutinate are separated from the unreacted first reagent by application of a magnetic field. Then the amount of unreacted first reagent is determined.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 13 OF 16 USPATFULL

ACCESSION NUMBER: 96:111326 USPATFULL
TITLE: Stabilized microspheres and methods of preparation
INVENTOR(S): Malick, Adrien, Granite, MD, United States
Feindt, Hans H., Parkton, MD, United States
Hahn, Gerald D., Severn, MD, United States
PATENT ASSIGNEE(S): Becton, Dickinson and Company, Franklin Lakes, NJ,
United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5580735		19961203
APPLICATION INFO.:	US 1994-343305		19941122 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1993-1907, filed on 4 Jan 1993, now patented, Pat. No. US 5393527		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		

PRIMARY EXAMINER: Chan, Christina Y.
ASSISTANT EXAMINER: Green, Lora M.
LEGAL REPRESENTATIVE: Fugit, Donna R.
NUMBER OF CLAIMS: 5
EXEMPLARY CLAIM: 1
LINE COUNT: 711

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Stabilized microspherical particles having hydrophobic liquid cores prepared as oil-in-water microemulsions. The particles are stabilized by a surface layer comprising an amphiphilic compound and may be functionalized to allow covalent coupling of a ligand to the surface of the particle. When used as tracers in assays, a water insoluble dye may be incorporated in the core liquid of the microparticles.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 14 OF 16 USPATFULL

ACCESSION NUMBER: 95:18200 USPATFULL
TITLE: Stabilized microspheres and methods of preparation
INVENTOR(S): Malick, Adrien, Granite, MD, United States
Feindt, Hans H., Parkton, MD, United States
PATENT ASSIGNEE(S): Becton, Dickinson and Company, Franklin Lakes, NJ,
United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5393527		19950228
APPLICATION INFO.:	US 1993-1907		19930104 (8)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Wax, Robert A.		
ASSISTANT EXAMINER:	Schmickel, David		
LEGAL REPRESENTATIVE:	Fugit, Donna R.		
NUMBER OF CLAIMS:	11		
EXEMPLARY CLAIM:	1		
LINE COUNT:	730		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Stabilized microspherical particles having hydrophobic liquid cores prepared as oil-in-water microemulsions. The particles are stabilized by a surface layer comprising an amphiphilic compound and may be functionalized to allow covalent coupling of a ligand to the surface of the particle. When used as tracers in assays, a water insoluble dye may be incorporated in the core liquid of the microparticles.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 15 OF 16 USPATFULL

ACCESSION NUMBER: 80:13908 USPATFULL
TITLE: Labeled liposome particle compositions and immunoassays therewith
INVENTOR(S): Ullman, Edwin F., Atherton, CA, United States
Brinkley, John M., Oakland, CA, United States
PATENT ASSIGNEE(S): Syva Company, Palo Alto, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4193983		19800318
APPLICATION INFO.:	US 1978-906514		19780516 (5)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Fagelson, Anna P.		
LEGAL REPRESENTATIVE:	Rowland, Bertram I.		
NUMBER OF CLAIMS:	17		
EXEMPLARY CLAIM:	1		

LINE COUNT: 1469

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The subject invention concerns novel compositions for use in immunoassays, as well as immunoassays employing such novel compositions. The compositions comprise discrete charged colloidal particles comprised of small molecules which particles are capable of retaining their discrete character in an aqueous medium and composed of aggregates of lipophilic and/or amphiphilic organic molecules to which are bound non-covalently a label capable of producing a detectible signal and a ligand or an analog of the ligand capable of competing with a ligand for a ligand receptor. The discrete colloidal particle serves as a hub or nucleus for retaining the ligand or its analog and the label within a limited locus.

The compositions are prepared by individually covalently bonding the ligand and the label, when not naturally lipophilic, to a lipophilic (includes amphiphilic) compound, normally a phospholipid. Depending upon the nature of the particle, the amphiphilic conjugated ligand and label are combined with the particle or alternatively may be combined with the compounds employed for preparing the particle under particle forming conditions. Particles are then obtained having the analog of the ligand and the label bound to the particle.

The compositions find use in immunoassays where an interaction between the label and receptor provides a means for modulating a detectible signal. The interaction can be as a result of quenching or modification of fluorescence, where the label is a fluorescer, steric inhibition of the approach of a signal modifier to the label, such as a label receptor or with an enzyme label, an antienzyme or enzyme inhibitor, the inhibition of cleavage of an enzyme labile bond or the cooperative interaction of two labels, such as two enzymes, where the product of one enzyme is a substrate of another enzyme.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 16 OF 16 USPATFULL

ACCESSION NUMBER: 78:16520 USPATFULL

TITLE: Antigen membranes for use in syphilis diagnosis and syphilis diagnosis apparatus using such membranes

INVENTOR(S): Suzuki, Shuichi, Tokyo, Japan
Aizawa, Masuo, Tokyo, Japan
Ishigur, Isao, Kasugai, Japan
Shinohara, Rikio, Kagamihara, Japan
Nagamura, Yoichi, Toyoake, Japan

PATENT ASSIGNEE(S): Nippon Chemiphar Co., Ltd., Tokyo, Japan (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4081334		19780328
APPLICATION INFO.:	US 1977-779139		19770318 (5)

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1976-29632	19760318
	JP 1976-29633	19760318
	JP 1976-29634	19760318
	JP 1976-81408	19760621

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Kaplan, G. L.
LEGAL REPRESENTATIVE: Oblon, Fisher, Spivak, McClelland & Maier
NUMBER OF CLAIMS: 17
EXEMPLARY CLAIM: 1,3,10
NUMBER OF DRAWINGS: 7 Drawing Figure(s); 4 Drawing Page(s)

LINE COUNT: 454

AB An antigen membrane for syphilis diagnosis comprises **cardiolipin** immobilized in a polymer maxtrix. The membranes are used in syphilis diagnosis and in an apparatus for syphilis diagnosis.

=> e pope

E1	2	POPDYN/BI
E2	3	POPDYNJFB/BI
E3	3511 -->	POPE/BI
E4	1	POPE1/BI
E5	4	POPE101/BI
E6	6	POPE40/BI
E7	11	POPE51/BI
E8	6	POPE52/BI
E9	1	POPE90/BI
E10	1	POPEA/BI
E11	1	POPEAD/BI
E12	10	POPEAE/BI

=> s e3 and victoria

L7 34 POPE/BI AND VICTORIA

=> s 17 and castro

L8 1 L7 AND CASTRO

=> d 18 ibib abs

L8 ANSWER 1 OF 1 USPATFULL

ACCESSION NUMBER: 2001:215588 USPATFULL

TITLE: Method of identifying animals via universal identification scheme

INVENTOR(S): Payne, James S., 3009 Bryant Ave. South, Minneapolis, MN, United States 55408
Semmer, John M., 7970 County Road 26, Maple Plain, MN, United States 55359
Weiser, John P., 16323 Temple Terr., Minnetonka, MN, United States 55345

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6323771	B1	20011127
APPLICATION INFO.:	US 2000-545386		20000407 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Wu, Daniel J.		
ASSISTANT EXAMINER:	Nguyen, Tai T.		
LEGAL REPRESENTATIVE:	Spangler, Jonathan		
NUMBER OF CLAIMS:	34		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	9 Drawing Figure(s); 9 Drawing Page(s)		
LINE COUNT:	2606		

AB The present disclosure involves a method of identifying animals involving the use of a universal identification scheme capable of identifying individual animals anywhere in the world such that data may collected for the animals over their entire life cycle.

=> s 17 and morrill

L9 1 L7 AND MORRILL

=> d 19 ibib

L9 ANSWER 1 OF 1 USPATFULL

ACCESSION NUMBER: 2001:215588 USPATFULL
TITLE: Method of identifying animals via universal
identification scheme
INVENTOR(S): Payne, James S., 3009 Bryant Ave. South, Minneapolis,
MN, United States 55408
Semmer, John M., 7970 County Road 26, Maple Plain, MN,
United States 55359
Weiser, John P., 16323 Temple Terr., Minnetonka, MN,
United States 55345

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6323771	B1	20011127
APPLICATION INFO.:	US 2000-545386		20000407 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Wu, Daniel J.		
ASSISTANT EXAMINER:	Nguyen, Tai T.		
LEGAL REPRESENTATIVE:	Spangler, Jonathan		
NUMBER OF CLAIMS:	34		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	9 Drawing Figure(s); 9 Drawing Page(s)		
LINE COUNT:	2606		

=> e morrill

E1	6	MORRIL/BI
E2	1	MORRILIOSIS/BI
E3	225 -->	MORRILL/BI
E4	29	MORRILLI/BI
E5	5	MORRILLII/BI
E6	10	MORRILLO/BI
E7	18	MORRILLOS/BI
E8	11	MORRILTON/BI
E9	30	MORRIN/BI
E10	13	MORRING/BI
E11	1	MORRINGTON/BI
E12	3	MORRINHO/BI

=> s e3 and william

L10 21 MORRILL/BI AND WILLIAM

=> s l10 and syphilis

L11 0 L10 AND SYPHILIS

=> d l10 1-21 ibib

L10 ANSWER 1 OF 21 USPATFULL

ACCESSION NUMBER: 2002:122644 USPATFULL
TITLE: Alkaloid halide salts of swainsonine and methods of use
INVENTOR(S): Dennis, James W., Etobicoke, CANADA
Shah, Rajan N., Toronto, CANADA
Ziser, Lothar, Toronto, CANADA
PATENT ASSIGNEE(S): GlycoDesign, Inc., CANADA (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6395745	B1	20020528
	WO 9846602		19981022
APPLICATION INFO.:	US 2000-403000		20000327 (9)
	WO 1998-CA360		19980415
			20000327 PCT 371 date

NUMBER	DATE
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PRIORITY INFORMATION: US 1997-86242P 19970415 (60)
 US 1998-76426P 19980224 (60)
 DOCUMENT TYPE: Utility
 FILE SEGMENT: GRANTED
 PRIMARY EXAMINER: Owens, Amelia
 NUMBER OF CLAIMS: 33
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 13 Drawing Figure(s); 13 Drawing Page(s)
 LINE COUNT: 2208
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L10 ANSWER 2 OF 21 USPATFULL
 ACCESSION NUMBER: 2001:234596 USPATFULL
 TITLE: Tow bar for towing tongueless vehicles
 INVENTOR(S): Morrill, J. Stephen, P.O. Box 1629, Waldport, OR,
 United States 97394

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6332626	B1	20011225
APPLICATION INFO.:	US 1996-636240		19960423 (8)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Brittain, James R.		
ASSISTANT EXAMINER:	Beres, John L.		
LEGAL REPRESENTATIVE:	Lovell, William S., Jade, Rose		
NUMBER OF CLAIMS:	8		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	7 Drawing Figure(s); 7 Drawing Page(s)		
LINE COUNT:	423		

L10 ANSWER 3 OF 21 USPATFULL
 ACCESSION NUMBER: 2001:215588 USPATFULL
 TITLE: Method of identifying animals via universal
 identification scheme
 INVENTOR(S): Payne, James S., 3009 Bryant Ave. South, Minneapolis,
 MN, United States 55408
 Semmer, John M., 7970 County Road 26, Maple Plain, MN,
 United States 55359
 Weiser, John P., 16323 Temple Terr., Minnetonka, MN,
 United States 55345

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6323771	B1	20011127
APPLICATION INFO.:	US 2000-545386		20000407 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Wu, Daniel J.		
ASSISTANT EXAMINER:	Nguyen, Tai T.		
LEGAL REPRESENTATIVE:	Spangler, Jonathan		
NUMBER OF CLAIMS:	34		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	9 Drawing Figure(s); 9 Drawing Page(s)		
LINE COUNT:	2606		

L10 ANSWER 4 OF 21 USPATFULL
 ACCESSION NUMBER: 1999:170428 USPATFULL
 TITLE: System for the in vivo delivery and expression of
 heterologous genes in the bone marrow
 INVENTOR(S): Johnston, Robert E., Chapel Hill, NC, United States
 Davis, Nancy L., Chapel Hill, NC, United States
 Simpson, Dennis A., Pittsboro, NC, United States
 PATENT ASSIGNEE(S): The University of North Carolina at Chapel Hill, Chapel

Hill, NC, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6008035		19991228
APPLICATION INFO.:	US 1998-102248		19980622 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1997-801263, filed on 19 Feb 1997, now patented, Pat. No. US 5811407		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Brusca, John S.		
LEGAL REPRESENTATIVE:	Myers Bigel Sibley & Sajovec, P.A.		
NUMBER OF CLAIMS:	52		
EXEMPLARY CLAIM:	1		
LINE COUNT:	5055		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L10 ANSWER 5 OF 21 USPATFULL

ACCESSION NUMBER: 1998:115722 USPATFULL

TITLE: System for the in vivo delivery and expression of heterologous genes in the bone marrow

INVENTOR(S): Johnston, Robert E., Chapel Hill, NC, United States
Davis, Nancy L., Chapel Hill, NC, United States
Simpson, Dennis A., Pittsboro, NC, United States

PATENT ASSIGNEE(S): The University of North Carolina at Chapel Hill, Chapel Hill, NC, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5811407		19980922
APPLICATION INFO.:	US 1997-801263		19970219 (8)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Elliott, George C.		
ASSISTANT EXAMINER:	Brusca, John S.		
LEGAL REPRESENTATIVE:	Myers Bigel Sibley & Sajovec		
NUMBER OF CLAIMS:	12		
EXEMPLARY CLAIM:	1		
LINE COUNT:	3435		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L10 ANSWER 6 OF 21 USPATFULL

ACCESSION NUMBER: 96:1224 USPATFULL

TITLE: Feed additive which consists of whey and Lactobacillus reuteri and a method of delivering Lactobacillus reuteri to the gastrointestinal tract

INVENTOR(S): Casas-Perez, Ivan A., Raleigh, NC, United States

PATENT ASSIGNEE(S): Biogaia AB, Stockholm, Sweden (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5480641		19960102
APPLICATION INFO.:	US 1993-77895		19930615 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1991-646863, filed on 28 Jan 1991, now abandoned which is a continuation-in-part of Ser. No. US 1990-539014, filed on 15 Jun 1990, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Knode, Marian C.		
ASSISTANT EXAMINER:	Dadio, Susan M.		
LEGAL REPRESENTATIVE:	Olive & Olive		
NUMBER OF CLAIMS:	8		
EXEMPLARY CLAIM:	1		
LINE COUNT:	417		

L10 ANSWER 7 OF 21 USPATFULL

ACCESSION NUMBER: 95:92526 USPATFULL
TITLE: In ovo method for delivering Lactobacillus reuteri to
the gastrointestinal tract of poultry
INVENTOR(S): Casas-Perez, Ivan A., Raleigh, NC, United States
Edens, Frank W., Raleigh, NC, United States
PATENT ASSIGNEE(S): Biogaia AB, Stockholm, Sweden (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5458875		19951017
APPLICATION INFO.:	US 1994-347849		19941201 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1993-81837, filed on 22 Jun 1993, now abandoned which is a continuation of Ser. No. US 1991-646879, filed on 28 Jan 1991, now abandoned which is a continuation-in-part of Ser. No. US 1990-539014, filed on 15 Jun 1990, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Knode, Marian C.		
ASSISTANT EXAMINER:	Dadio, Susan M.		
LEGAL REPRESENTATIVE:	Olive & Olive		
NUMBER OF CLAIMS:	3		
EXEMPLARY CLAIM:	1		
LINE COUNT:	390		

L10 ANSWER 8 OF 21 USPATFULL

ACCESSION NUMBER: 87:16024 USPATFULL
TITLE: Process for forming seeds capable of growing hybrid soybean plants
INVENTOR(S): Davis, William H., Plainview, TX, United States
PATENT ASSIGNEE(S): Ring Around Products, Inc., Prattville, AL, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4648204		19870310
APPLICATION INFO.:	US 1985-779647		19850924 (6)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1984-585940, filed on 5 Mar 1984, now patented, Pat. No. US 4545146		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Bagwill, Robert E.		
LEGAL REPRESENTATIVE:	Burns, Doane, Swecker & Mathis		
NUMBER OF CLAIMS:	112		
EXEMPLARY CLAIM:	1		
LINE COUNT:	1587		

L10 ANSWER 9 OF 21 USPATFULL

ACCESSION NUMBER: 85:5169 USPATFULL
TITLE: Logic state analyzer with sequential triggering and restart
INVENTOR(S): Haag, George A., Colorado Springs, CO, United States
Fogg, O. Douglas, Loveland, CO, United States
Greenley, Gordon A., Colorado Springs, CO, United States
Shepard, Steve A., Colorado Springs, CO, United States
Terry, F. Duncan, Meridan, ID, United States
PATENT ASSIGNEE(S): Hewlett-Packard Company, Palo Alto, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4495599		19850122

APPLICATION INFO.: US 1983-456155 19830106 (6)
 RELATED APPLN. INFO.: Division of Ser. No. US 1980-210462, filed on 25 Nov 1980, now patented, Pat. No. US 4373193, issued on 8 Feb 1983, said Ser. No. 210462 which is a continuation of Ser. No. US 1979-75787, filed on 17 Sep 1979, now abandoned, said Ser. No. 75787 Division of Ser. No. US 1977-828138, filed on 29 Aug 1977, now abandoned

DOCUMENT TYPE: Utility
 FILE SEGMENT: Granted
 PRIMARY EXAMINER: Springborn, Harvey E.
 LEGAL REPRESENTATIVE: Miller, Edward L.
 NUMBER OF CLAIMS: 8
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 16 Drawing Figure(s); 13 Drawing Page(s)
 LINE COUNT: 740

L10 ANSWER 10 OF 21 USPATFULL
 ACCESSION NUMBER: 84:61268 USPATFULL
 TITLE: Logic state analyzer with graph of captured trace
 INVENTOR(S): Haag, George A., Colorado Springs, CO, United States
 Fogg, O. Douglas, Loveland, CO, United States
 Greenley, Gordon A., Colorado Springs, CO, United States
 Shepard, Steve A., Colorado Springs, CO, United States
 Terry, F. Duncan, Meridan, ID, United States
 PATENT ASSIGNEE(S): Hewlett-Packard Company, Palo Alto, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4480317		19841030
APPLICATION INFO.:	US 1983-456218		19830107 (6)
DISCLAIMER DATE:	20000208		
RELATED APPLN. INFO.:	Division of Ser. No. US 1980-210462, filed on 25 Nov 1980, now patented, Pat. No. US 4373193, issued on 8 Feb 1983 which is a continuation of Ser. No. US 1979-75787, filed on 17 Sep 1979, now abandoned which is a division of Ser. No. US 1977-828138, filed on 29 Aug 1977		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Springborn, Harvey E.		
LEGAL REPRESENTATIVE:	Miller, Edward L.		
NUMBER OF CLAIMS:	9		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	16 Drawing Figure(s); 13 Drawing Page(s)		
LINE COUNT:	502		

L10 ANSWER 11 OF 21 USPATFULL
 ACCESSION NUMBER: 84:60036 USPATFULL
 TITLE: Method and apparatus for selecting and setting the mode of operation for a mechanism
 INVENTOR(S): Haag, George A., Colorado Springs, CO, United States
 Fogg, O. Douglas, Loveland, CO, United States
 Greenley, Gordon A., Colorado Springs, CO, United States
 Shepard, Steve A., Colorado Springs, CO, United States
 Terry, F. Duncan, Meridan, ID, United States
 PATENT ASSIGNEE(S): Hewlett-Packard Company, Palo Alto, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4479197		19841023

APPLICATION INFO.: US 1982-454387 19821229 (6)
 RELATED APPLN. INFO.: Division of Ser. No. US 1980-210462, filed on 25 Nov 1980, now patented, Pat. No. US 4373193, issued on 8 Feb 1983 which is a continuation of Ser. No. US 1979-75787, filed on 17 Sep 1979, now abandoned which is a division of Ser. No. US 1977-828138, filed on 29 Aug 1977, now abandoned

DOCUMENT TYPE: Utility
 FILE SEGMENT: Granted
 PRIMARY EXAMINER: Springborn, Harvey E.
 LEGAL REPRESENTATIVE: Miller, Edward L.
 NUMBER OF CLAIMS: 18
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 16 Drawing Figure(s); 13 Drawing Page(s)
 LINE COUNT: 913

L10 ANSWER 12 OF 21 USPATFULL

ACCESSION NUMBER: 84:34636 USPATFULL
 TITLE: Logic state analyzer with format specification
 INVENTOR(S): Haag, George A., Colorado Springs, CO, United States
 Fogg, O. Douglas, Loveland, CO, United States
 Greenley, Gordon A., Colorado Springs, CO, United States
 Shepard, Steve A., Colorado Springs, CO, United States
 Terry, F. Duncan, Meridan, ID, United States
 PATENT ASSIGNEE(S): Hewlett-Packard Company, Palo Alto, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4455624		19840619
APPLICATION INFO.:	US 1983-457599		19830113 (6)
RELATED APPLN. INFO.:	Division of Ser. No. US 1980-210462, filed on 25 Nov 1980, now patented, Pat. No. US 4373193 which is a continuation of Ser. No. US 1979-75787, filed on 17 Sep 1979, now abandoned which is a division of Ser. No. US 1977-828138, filed on 29 Aug 1977		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Springborn, Harvey E.		
LEGAL REPRESENTATIVE:	Miller, Edward L.		
NUMBER OF CLAIMS:	5		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	16 Drawing Figure(s); 13 Drawing Page(s)		
LINE COUNT:	648		

L10 ANSWER 13 OF 21 USPATFULL

ACCESSION NUMBER: 84:23401 USPATFULL
 TITLE: Logic state analyzer with time and event count measurement between states
 INVENTOR(S): Haag, George A., Colorado Springs, CO, United States
 Fogg, O. Douglas, Loveland, CO, United States
 Greenley, Gordon A., Colorado Springs, CO, United States
 Shepard, Steve A., Colorado Springs, CO, United States
 Terry, F. Duncan, Meridan, ID, United States
 PATENT ASSIGNEE(S): Hewlett-Packard Company, Palo Alto, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4445192		19840424
APPLICATION INFO.:	US 1983-459425		19830120 (6)
RELATED APPLN. INFO.:	Division of Ser. No. US 1980-210462, filed on 25 Nov 1980, now patented, Pat. No. US 4373193 which is a		

continuation of Ser. No. US 1979-75787, filed on 17 Sep 1979, now abandoned which is a division of Ser. No. US 1977-828138, filed on 29 Aug 1977, now abandoned

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Springborn, Harvey E.
LEGAL REPRESENTATIVE: Miller, Edward L.
NUMBER OF CLAIMS: 6
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 16 Drawing Figure(s); 13 Drawing Page(s)
LINE COUNT: 431

L10 ANSWER 14 OF 21 USPATFULL

ACCESSION NUMBER: 83:7119 USPATFULL
TITLE: Logic state analyzer
INVENTOR(S): Haag, George A., Colorado Springs, CO, United States
Fogg, O. Douglas, Loveland, CO, United States
Greenley, Gordon A., Colorado Springs, CO, United States
Shepard, Steve A., Colorado Springs, CO, United States
Terry, F. Duncan, Meridan, ID, United States
PATENT ASSIGNEE(S): Hewlett-Packard Company, Palo Alto, CA, United States
(U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4373193		19830208
APPLICATION INFO.:	US 1980-210462		19801125 (6)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1979-75787, filed on 17 Sep 1979, now abandoned which is a continuation of Ser. No. US 1977-828138, filed on 29 Aug 1977, now abandoned		

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Springborn, Harvey E.
LEGAL REPRESENTATIVE: Miller, Edward L.
NUMBER OF CLAIMS: 7
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 16 Drawing Figure(s); 13 Drawing Page(s)
LINE COUNT: 401

L10 ANSWER 15 OF 21 USPATFULL

ACCESSION NUMBER: 82:23666 USPATFULL
TITLE: Marine riser connector
INVENTOR(S): Hampton, J. E., Dallas, TX, United States
PATENT ASSIGNEE(S): Smith International, Inc., Newport Beach, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4330140		19820518
APPLICATION INFO.:	US 1980-217337		19801217 (6)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1977-793778, filed on 1 Apr 1977, now Defensive Publication No.		

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Arola, Dave W.
LEGAL REPRESENTATIVE: Conley, Ned L., Rose, David Alan
NUMBER OF CLAIMS: 27
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 9 Drawing Figure(s); 5 Drawing Page(s)
LINE COUNT: 969

L10 ANSWER 16 OF 21 USPATFULL

ACCESSION NUMBER: 81:66114 USPATFULL
TITLE: Logic state analyzer with graphic display

INVENTOR(S): Haag, George A., Colorado Springs, CO, United States
 Fogg, O. Douglas, Loveland, CO, United States
 Greenley, Gordon A., Colorado Springs, CO, United States
 States
 Shepard, Steve A., Colorado Springs, CO, United States
 Terry, F. Duncan, Meridan, ID, United States
 PATENT ASSIGNEE(S): Hewlett-Packard Company, Palo Alto, CA, United States
 (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4303987		19811201
APPLICATION INFO.:	US 1979-41363		19790522 (6)
RELATED APPLN. INFO.:	Division of Ser. No. US 1977-828138, filed on 29 Aug 1977, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Springborn, Harvey E.		
LEGAL REPRESENTATIVE:	Miller, Edward L.		
NUMBER OF CLAIMS:	6		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	16 Drawing Figure(s); 13 Drawing Page(s)		
LINE COUNT:	501		

L10 ANSWER 17 OF 21 USPATFULL
 ACCESSION NUMBER: 81:63413 USPATFULL
 TITLE: Logic state analyzer with restart and state occurrence qualification
 INVENTOR(S): Haag, George A., Colorado Springs, CO, United States
 Fogg, O. Douglas, Loveland, CO, United States
 Greenley, Gordon A., Colorado Springs, CO, United States
 States
 Shepard, Steve A., Colorado Springs, CO, United States
 Terry, F. Duncan, Meridan, ID, United States
 PATENT ASSIGNEE(S): Hewlett-Packard Company, Palo Alto, CA, United States
 (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4301513		19811117
APPLICATION INFO.:	US 1979-41362		19790522 (6)
RELATED APPLN. INFO.:	Division of Ser. No. US 1977-828138, filed on 29 Aug 1977, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Springborn, Harvey E.		
LEGAL REPRESENTATIVE:	Miller, Edward L.		
NUMBER OF CLAIMS:	4		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	16 Drawing Figure(s); 13 Drawing Page(s)		
LINE COUNT:	476		

L10 ANSWER 18 OF 21 USPATFULL
 ACCESSION NUMBER: 81:55026 USPATFULL
 TITLE: Apparatus and method for indicating a minimum degree of activity of digital signals
 INVENTOR(S): Haag, George A., Colorado Spring, CO, United States
 Fogg, O. Douglas, Loveland, CO, United States
 Greenley, Gordon A., Colorado Spring, CO, United States
 Shepard, Steve A., Colorado Spring, CO, United States
 Terry, F. Duncan, Meridan, ID, United States
 PATENT ASSIGNEE(S): Hewlett-Packard Company, Palo Alto, CA, United States
 (U.S. corporation)

NUMBER	KIND	DATE
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PATENT INFORMATION:	US 4293925	19811006
APPLICATION INFO.:	US 1979-43987	19790531 (6)
RELATED APPLN. INFO.:	Division of Ser. No. US 1977-828138, filed on 29 Aug 1977, now abandoned which is a continuation of Ser. No. US 1979-75787, filed on 17 Sep 1979, now abandoned which is a continuation of Ser. No. US 1980-210462, filed on 25 Nov 1980, now Defensive Publication No.	
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Springborn, Harvey E.	
LEGAL REPRESENTATIVE:	Miller, Edward L.	
NUMBER OF CLAIMS:	4	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	16 Drawing Figure(s); 13 Drawing Page(s)	
LINE COUNT:	462	

L10 ANSWER 19 OF 21 USPATFULL

ACCESSION NUMBER: 81:8377 USPATFULL
 TITLE: Digital signal state analyzer and display
 INVENTOR(S): Haag, George A., Colorado Springs, CO, United States
 Fogg, Douglas, Loveland, CO, United States
 Greenley, Gordon A., Colorado Springs, CO, United States
 Shepard, Steve A., Colorado Springs, CO, United States
 Terry, F. Duncan, Meridan, IL, United States
 PATENT ASSIGNEE(S): Hewlett-Packard Company, Palo Alto, CA, United States
 (U.S. corporation)

	NUMBER	KIND	DATE

PATENT INFORMATION:	US 4250562		19810210
APPLICATION INFO.:	US 1979-41361		19790522 (6)
RELATED APPLN. INFO.:	Division of Ser. No. US 1977-828138, filed on 29 Aug 1977, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Springborn, Harvey E.		
LEGAL REPRESENTATIVE:	Sherrard, Michael L.		
NUMBER OF CLAIMS:	4		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	16 Drawing Figure(s); 13 Drawing Page(s)		
LINE COUNT:	428		

L10 ANSWER 20 OF 21 USPATFULL

ACCESSION NUMBER: 78:33075 USPATFULL
 TITLE: Marine riser connector
 INVENTOR(S): Morrill, Charles D., Bellaire, TX, United States
 PATENT ASSIGNEE(S): McEvoy Oilfield Equipment Company, Houston, TX, United States
 (U.S. corporation)

	NUMBER	KIND	DATE

PATENT INFORMATION:	US 4097069		19780627
APPLICATION INFO.:	US 1976-674775		19760408 (5)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Callaghan, Thomas F.		
LEGAL REPRESENTATIVE:	Ostfeld, David M., Robinson, Murray, Conley, Ned L.		
NUMBER OF CLAIMS:	33		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	10 Drawing Figure(s); 6 Drawing Page(s)		
LINE COUNT:	1061		

L10 ANSWER 21 OF 21 USPATFULL

ACCESSION NUMBER: 77:40173 USPATFULL
 TITLE: Electrostatographic developers comprising a carrier bead coated with a copolymer of N-vinylcarbazole and trialkoxyvinylsilane and/or triacetoxymethylsilane
 INVENTOR(S): De Roo, Pierre Richard, Schoten, Belgium
 De Winter, Walter Frans, 'S-Gravenwezel, Belgium
 Priem, Jan Jozef, Mortsel, Belgium
 Gilliams, Yvan Karel, Berchem, Belgium
 PATENT ASSIGNEE(S): AGFA-GEVAERT N.V., Mortsel, Belgium (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4039463		19770802
APPLICATION INFO.:	US 1975-568400		19750416 (5)

	NUMBER	DATE
PRIORITY INFORMATION:	GB 1974-18884	19740430
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Weinblatt, Mayer	
ASSISTANT EXAMINER:	Smith, John D.	
LEGAL REPRESENTATIVE:	Daniel, William J.	
NUMBER OF CLAIMS:	8	
EXEMPLARY CLAIM:	1	
LINE COUNT:	441	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> s e3 and victoria
 L12 3 MORRILL/BI AND VICTORIA

=> d 112 1-3 ibib

L12 ANSWER 1 OF 3 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
 ACCESSION NUMBER: 1984:264277 BIOSIS
 DOCUMENT NUMBER: BA78:757
 TITLE: 3 NEW SPECIES OF PARASITIC RED ALGAE RHODOPHYTA FROM AUSTRALIA HOLMSELLA-AUSTRALIS NEW-SPECIES MERIDIOLAX-BRACTEATA NEW-SPECIES AND TRICHIDIUM-PEDICELLATUM NEW-GENUS NEW-SPECIES.
 AUTHOR(S): NOBLE J M; KRAFT G T
 CORPORATE SOURCE: BOTANY SCH., UNIV. MELBOURNE, PARKVILLE, VICTORIA 3052, AUSTRALIA.
 SOURCE: BR PHYCOL J, (1983 (RECD 1984)) 18 (4), 391-414.
 CODEN: BPHJAA. ISSN: 0007-1617.
 FILE SEGMENT: BA; OLD
 LANGUAGE: English

L12 ANSWER 2 OF 3 LIFESCI COPYRIGHT 2003 CSA
 ACCESSION NUMBER: 83:72366 LIFESCI
 TITLE: Three new species of parasitic red algae (Rhodophyta) from Australia: Holmsella australis sp.nov., Meridiolax bracteata sp.nov. and Trichidium pedicellatum gen. et sp.nov.
 AUTHOR: Noble, J.M.; Kraft, G.T.
 CORPORATE SOURCE: Bot. Sch., Univ. Melbourne, Parkville, Vic. 3052, Australia
 SOURCE: BR. PHYCOL. J., (1983) vol. 18, no. 4, pp. 391-413.
 DOCUMENT TYPE: Journal
 FILE SEGMENT: K
 LANGUAGE: English
 SUMMARY LANGUAGE: English

L12 ANSWER 3 OF 3 USPATFULL

ACCESSION NUMBER: 2001:215588 USPATFULL
 TITLE: Method of identifying animals via universal
 identification scheme
 INVENTOR(S): Payne, James S., 3009 Bryant Ave. South, Minneapolis,
 MN, United States 55408
 Semmer, John M., 7970 County Road 26, Maple Plain, MN,
 United States 55359
 Weiser, John P., 16323 Temple Terr., Minnetonka, MN,
 United States 55345

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6323771	B1	20011127
APPLICATION INFO.:	US 2000-545386		20000407 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Wu, Daniel J.		
ASSISTANT EXAMINER:	Nguyen, Tai T.		
LEGAL REPRESENTATIVE:	Spangler, Jonathan		
NUMBER OF CLAIMS:	34		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	9 Drawing Figure(s); 9 Drawing Page(s)		
LINE COUNT:	2606		

=> e pope

E1	2	POPDYN/BI
E2	3	POPDYNJFB/BI
E3	3511 -->	POPE/BI
E4	1	POPE1/BI
E5	4	POPE101/BI
E6	6	POPE40/BI
E7	11	POPE51/BI
E8	6	POPE52/BI
E9	1	POPE90/BI
E10	1	POPEA/BI
E11	1	POPEAD/BI
E12	10	POPEAE/BI

=> s e3 and victoria

L13 34 POPE/BI AND VICTORIA

=> s l13 and syphilis

L14 0 L13 AND SYPHILIS

=> d his

(FILE 'HOME' ENTERED AT 13:22:01 ON 03 JUN 2003)

FILE 'BIOSIS, CABA, CAPLUS, EMBASE, LIFESCI, MEDLINE, SCISEARCH,
 USPATFULL, JAPIO' ENTERED AT 13:23:17 ON 03 JUN 2003

L1	4560 S DETECT? (L) SYPHILIS
L2	66801 S SYNTHETIC (L) ANTIGEN
L3	705 S L1 AND L2
L4	35 S L3 AND CARDIOLIPIN
L5	21 S L4 AND LECITHIN
L6	16 DUP REM L5 (5 DUPLICATES REMOVED)
	E POPE
L7	34 S E3 AND VICTORIA
L8	1 S L7 AND CASTRO
L9	1 S L7 AND MORRILL
	E MORRILL
L10	21 S E3 AND WILLIAM
L11	0 S L10 AND SYPHILIS
L12	3 S E3 AND VICTORIA

E POPE
L13 34 S E3 AND VICTORIA
L14 0 S L13 AND SYPHILIS

=> s 15 and cholesterol
L15 17 L5 AND CHOLESTEROL

=> s 115 and antibod
L16 0 L15 AND ANTIBOD

=> s 115 and antibod?
L17 12 L15 AND ANTIBOD?

=> d 117 1-12 ibib abs

L17 ANSWER 1 OF 12 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2000:881429 CAPLUS

DOCUMENT NUMBER: 134:41088

TITLE: Method for **detecting syphilis**
using **synthetic antigens**

INVENTOR(S): Pope, Victoria; Castro, Arnold R.; Morrill, William E.

PATENT ASSIGNEE(S): Government of the United States of America,
Represented by the Secretary, Department of Health and
Human Services, USA

SOURCE: PCT Int. Appl., 34 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000075666	A1	20001214	WO 2000-US15828	20000608
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
EP 1185872	A1	20020313	EP 2000-939708	20000608
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO			
BR 2000011449	A	20020319	BR 2000-11449	20000608
JP 2003501662	T2	20030114	JP 2001-501890	20000608
PRIORITY APPLN. INFO.:			US 1999-138192P	P 19990609
			WO 2000-US15828	W 20000608

AB An **antigen** compn. and method for the **detection** of **antibodies** to Treponema pallidum and the diagnosis of **syphilis** are described. The **antigen** compn. contains **synthetic cardiolipin** and **synthetic lecithin**. The **antigen** compn. may addnl. contain **cholesterol** and an alc. The **antigen** compn. is useful as an immunoreagent in immunoassays for the **detection** of **antibodies** assocd. with T. pallidum infection. The methods are sensitive and specific for T. pallidum infection.

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 2 OF 12 EMBASE COPYRIGHT 2003 ELSEVIER SCI. B.V.

ACCESSION NUMBER: 2000255565 EMBASE

TITLE: Use of **synthetic cardiolipin** and

lecithin in the **antigen** used by the
Venereal Disease Research Laboratory test for serodiagnosis
of syphilis.

AUTHOR: Castro A.R.; Morrill W.E.; Shaw W.A.; Gale D.C.; Park M.M.;
Peregrino- Ferreira L.A.; Bazzo M.L.; Pope V.

CORPORATE SOURCE: A.R. Castro, Div. of AIDS, STD, and TB Lab. Res., Centers
for Dis. Control and Prev., Mail Stop D-13, 1600 Clifton
Rd., Atlanta, GA 30333, United States. ajc@cdc.gov

SOURCE: Clinical and Diagnostic Laboratory Immunology, (2000) 7/4
(658-661).
Refs: 13
ISSN: 1071-412X CODEN: CDIMEN

COUNTRY: United States

DOCUMENT TYPE: Journal; Article

FILE SEGMENT: 004 Microbiology

LANGUAGE: English

SUMMARY LANGUAGE: English

AB The Venereal Disease Research Laboratory (VDRL) test is a
microflocculation test for **syphilis** that uses an **antigen**
containing **cardiolipin**, **lecithin**, and
cholesterol. For more than 50 years, the preparation of natural
cardiolipin and **lecithin** for this test has been based on
the Pangborn method which involves isolating and purifying these
components from beef hearts. This process is tedious and time-consuming
and results in a variable purity range. In our studies, we found that a
VDRL **antigen** using **synthetic** tetramyristoyl
cardiolipin and **synthetic** 1-palmitoyl-
2-oleoyl-sn-glycero-3-phosphocholine (**lecithin**) was as specific
in **detecting syphilis** as a VDRL **antigen** made
with natural components. In 85% of the cases, we obtained an endpoint
titer of 1/2 or 1 dilution more than a titer obtained with a VDRL
antigen made with natural components. The use of these pure
synthetic compounds, with a purity of 99%, would offer advantages
in the standardization and stability of the VDRL **antigen**.
Because this **antigen** is the basic ingredient in the preparation
of nontreponemal reagents such as the rapid plasma reagin, toluidine red
unheated serum test, and the unheated serum reagin, the use of this
synthetic VDRL **antigen** should also increase the
reactivity of these reagents.

L17 ANSWER 3 OF 12 USPATFULL

ACCESSION NUMBER: 2002:85166 USPATFULL

TITLE: VERTEBRATE EMBRYONIC PATTERNING-INDUCING PROTEINS,
COMPOSITIONS AND USES RELATED THERTO

INVENTOR(S): MIAO, NINGNING, CAMBRIDGE, MA, UNITED STATES
WANG, MONICA, MARBLEHEAD, MA, UNITED STATES
MAHANTHAPPA, NAGESH K., CAMBRIDGE, MA, UNITED STATES
PANG, KEVIN, BELMONT, MA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002045206	A1	20020418
APPLICATION INFO.:	US 1997-900220	A1	19970724 (8)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	ROPES & GRAY, ONE INTERNATIONAL PLACE, BOSTON, MA, 02110-2624		
NUMBER OF CLAIMS:	48		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	8 Drawing Page(s)		
LINE COUNT:	5219		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB It is shown here that hedgehog proteins possess novel activities beyond
phenotype specification. Using cultures derived from the embryonic day
14.5 (E14.5) rat ventral mesencephalon, we show that hedgehog is also

trophic for dopaminergic neurons. Interestingly, hedgehog not only promotes dopaminergic neuron survival, but also promotes the survival of midbrain GABA-immunoeractive (GABA-ir) neurons.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L17 ANSWER 4 OF 12 USPATFULL

ACCESSION NUMBER: 2001:112060 USPATFULL
TITLE: Lipid-dependent diagnostic assays
INVENTOR(S): Janoff, Andrew S., Yardley, PA, United States
Rauch, Joyce, Montreal, Canada
Taraschi, Theodore F., Tabernacle, NJ, United States
PATENT ASSIGNEE(S): The Liposome Company, Inc., Princeton, NJ, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6261792	B1	20010717
APPLICATION INFO.:	US 1995-441567		19950515 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1994-201718, filed on 25 Feb 1994, now abandoned Continuation of Ser. No. US 1991-723497, filed on 28 Jun 1991, now abandoned Continuation-in-part of Ser. No. US 1990-623340, filed on 7 Dec 1990, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Gitomer, Ralph		
LEGAL REPRESENTATIVE:	Goodman, Rosanne		
NUMBER OF CLAIMS:	28		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	5 Drawing Figure(s); 2 Drawing Page(s)		
LINE COUNT:	959		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB For use in a lipid-dependent diagnostic assay, a stable aqueous suspension of a phospholipid which normally has a hexagonal (H.sub.II) organization when dispersed in an aqueous medium without detergent, the suspension containing the phospholipid, a detergent, and an aqueous phase. In the stable suspension, the phospholipid remains in suspension at a temperature of 25.degree. C. for at least one hour. The suspension is suitable for providing the phospholipid to an assay for lupus anticoagulants which includes the step of pre-incubating a test sample with the phospholipid.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L17 ANSWER 5 OF 12 USPATFULL

ACCESSION NUMBER: 97:106984 USPATFULL
TITLE: Stabilized microspheres and methods of preparation
INVENTOR(S): Malick, Adrien, Granite, MD, United States
Feindt, Hans H., Parkton, MD, United States
Hahn, Gerald D., Severn, MD, United States
PATENT ASSIGNEE(S): Becton, Dickinson and Company, Franklin Lakes, NJ, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5688697		19971118
APPLICATION INFO.:	US 1996-642373		19960503 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1994-343305, filed on 22 Nov 1994, now patented, Pat. No. US 5580735 which is a division of Ser. No. US 1993-1907, filed on 4 Jan 1993, now patented, Pat. No. US 5393527		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Green, Lora M.		

LEGAL REPRESENTATIVE: Fugit, Donna R.
NUMBER OF CLAIMS: 15
EXEMPLARY CLAIM: 1
LINE COUNT: 744

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Stabilized microspherical particles having hydrophobic liquid cores prepared as oil-in-water microemulsions. The particles are stabilized by a surface layer comprising an amphiphilic compound and may be functionalized to allow covalent coupling of a ligand to the surface of the particle. When used as tracers in assays, a water insoluble dye may be incorporated in the core liquid of the microparticles.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L17 ANSWER 6 OF 12 USPATFULL

ACCESSION NUMBER: 97:47266 USPATFULL
TITLE: Stabilized microspheres and methods of preparation
INVENTOR(S): Malick, Adrien, Granite, MD, United States
Feindt, Hans H., Parkton, MD, United States
PATENT ASSIGNEE(S): Becton, Dickinson and Company, Franklin Lakes, NJ,
United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5635357		19970603
APPLICATION INFO.:	US 1994-343313		19941122 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1993-1907, filed on 4 Jan 1993, now patented, Pat. No. US 5393527		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Cunningham, Thomas M.		
LEGAL REPRESENTATIVE:	Fugit, Donna R.		
NUMBER OF CLAIMS:	7		
EXEMPLARY CLAIM:	1		
LINE COUNT:	704		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Stabilized microspherical particles having hydrophobic liquid cores prepared as oil-in-water microemulsions. The particles are stabilized by a surface layer comprising an amphiphilic compound and may be functionalized to allow covalent coupling of a ligand to the surface of the particle. When used as tracers in assays, a water insoluble dye may be incorporated in the core liquid of the microparticles.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L17 ANSWER 7 OF 12 USPATFULL

ACCESSION NUMBER: 97:31625 USPATFULL
TITLE: Stabilized microspheres and methods of preparation
INVENTOR(S): Malick, Adrien, Granite, MD, United States
Feindt, Hans H., Parkton, MD, United States
Hahn, Gerald D., Severn, MD, United States
PATENT ASSIGNEE(S): Becton, Dickinson and Company, Franklin Lakes, NJ,
United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5620903		19970415
APPLICATION INFO.:	US 1995-374001		19950118 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1993-1907, filed on 4 Jan 1993, now patented, Pat. No. US 5393527, issued on 28 Feb 1995		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Scheiner, Toni R.		
ASSISTANT EXAMINER:	Huff, Sheela J.		

LEGAL REPRESENTATIVE: Fugit, Donna R.
NUMBER OF CLAIMS: 14
EXEMPLARY CLAIM: 1
LINE COUNT: 935

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Stabilized microspherical particles having hydrophobic liquid cores prepared as oil-in-water microemulsions. The particles are stabilized by a surface layer comprising an amphiphilic compound and may be functionalized to allow covalent coupling of a ligand to the surface of the particle. When used as tracers in assays, a water insoluble dye may be incorporated in the core liquid of the microparticles.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L17 ANSWER 8 OF 12 USPATFULL

ACCESSION NUMBER: 97:3692 USPATFULL
TITLE: Stabilized microspheres and methods of preparation
INVENTOR(S): Malick, Adrien, Granite, MD, United States
Feindt, Hans H., Parkton, MD, United States
PATENT ASSIGNEE(S): Becton, Dickinson and Company, Franklin Lakes, NJ,
United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5593843		19970114
APPLICATION INFO.:	US 1994-343795		19941122 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1993-1907, filed on 4 Jan 1993, now patented, Pat. No. US 5393527, issued on 28 Feb 1995		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Scheiner, Toni R.		
ASSISTANT EXAMINER:	Huff, Sheela J.		
LEGAL REPRESENTATIVE:	Fugit, Donna R.		
NUMBER OF CLAIMS:	9		
EXEMPLARY CLAIM:	1		
LINE COUNT:	758		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Stabilized microspherical particles having hydrophobic liquid cores prepared as oil-in-water microemulsions. The particles are stabilized by a surface layer comprising an amphiphilic compound and may be functionalized to allow covalent coupling of a ligand to the surface of the particle. When used as tracers in assays, a water insoluble dye may be incorporated in the core liquid of the microparticles.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L17 ANSWER 9 OF 12 USPATFULL

ACCESSION NUMBER: 96:113849 USPATFULL
TITLE: Determination and detection of **antibody** and its immunoglobulin class
INVENTOR(S): Ito, Michio, Yokohama, Japan
Ogura, Minoru, Yokohama, Japan
Kohno, Hideki, Kawasaki, Japan
PATENT ASSIGNEE(S): Mitsubishi Kasei Corporation, Tokyo, Japan (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5583054		19961210
APPLICATION INFO.:	US 1994-312431		19940926 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1993-64370, filed on 19 May 1993, now abandoned which is a continuation of Ser. No. US 1990-557390, filed on 24 Jul 1990, now abandoned		

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1989-195968	19890728
	JP 1990-162056	19900620
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Feisee, Lila	
ASSISTANT EXAMINER:	Wolski, Susan C.	
LEGAL REPRESENTATIVE:	Conlin, David G., Resnick, David S. Dike, Bronstein, Roberts & Cushman, LLP	
NUMBER OF CLAIMS:	19	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	3 Drawing Figure(s); 3 Drawing Page(s)	
LINE COUNT:	734	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention provides a method for determining the presence of a class of an **antibody** in a biological sample. In this method, a first reagent including insoluble particles having an antigen to the **antibody** immobilized on the surface thereof, and a second reagent including insoluble magnetic particles having immobilized on the surface thereof a substance particularly reactive to a specific immunoglobulin class, is reacted with the sample under conditions to promote agglutination of the first and second reagents with the **antibody**. The unreacted second reagent and the agglutinate are separated from the unreacted first reagent by application of a magnetic field. Then the amount of unreacted first reagent is determined.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L17 ANSWER 10 OF 12 USPATFULL

ACCESSION NUMBER: 96:111326 USPATFULL
 TITLE: Stabilized microspheres and methods of preparation
 INVENTOR(S): Malick, Adrien, Granite, MD, United States
 Feindt, Hans H., Parkton, MD, United States
 Hahn, Gerald D., Severn, MD, United States
 PATENT ASSIGNEE(S): Becton, Dickinson and Company, Franklin Lakes, NJ,
 United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5580735		19961203
APPLICATION INFO.:	US 1994-343305		19941122 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1993-1907, filed on 4 Jan 1993, now patented, Pat. No. US 5393527		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Chan, Christina Y.		
ASSISTANT EXAMINER:	Green, Lora M.		
LEGAL REPRESENTATIVE:	Fugit, Donna R.		
NUMBER OF CLAIMS:	5		
EXEMPLARY CLAIM:	1		
LINE COUNT:	711		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Stabilized microspherical particles having hydrophobic liquid cores prepared as oil-in-water microemulsions. The particles are stabilized by a surface layer comprising an amphiphilic compound and may be functionalized to allow covalent coupling of a ligand to the surface of the particle. When used as tracers in assays, a water insoluble dye may be incorporated in the core liquid of the microparticles.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L17 ANSWER 11 OF 12 USPATFULL

ACCESSION NUMBER: 95:18200 USPATFULL
 TITLE: Stabilized microspheres and methods of preparation

INVENTOR(S): Malick, Adrien, Granite, MD, United States
 Feindt, Hans H., Parkton, MD, United States
 PATENT ASSIGNEE(S): Becton, Dickinson and Company, Franklin Lakes, NJ,
 United States (U.S. corporation)

	NUMBER	KIND	DATE
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PATENT INFORMATION:	US 5393527		19950228
APPLICATION INFO.:	US 1993-1907		19930104 (8)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Wax, Robert A.		
ASSISTANT EXAMINER:	Schmickel, David		
LEGAL REPRESENTATIVE:	Fugit, Donna R.		
NUMBER OF CLAIMS:	11		
EXEMPLARY CLAIM:	1		
LINE COUNT:	730		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Stabilized microspherical particles having hydrophobic liquid cores prepared as oil-in-water microemulsions. The particles are stabilized by a surface layer comprising an amphiphilic compound and may be functionalized to allow covalent coupling of a ligand to the surface of the particle. When used as tracers in assays, a water insoluble dye may be incorporated in the core liquid of the microparticles.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L17 ANSWER 12 OF 12 USPATFULL

ACCESSION NUMBER: 80:13908 USPATFULL
 TITLE: Labeled liposome particle compositions and immunoassays therewith
 INVENTOR(S): Ullman, Edwin F., Atherton, CA, United States
 Brinkley, John M., Oakland, CA, United States
 PATENT ASSIGNEE(S): Syva Company, Palo Alto, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
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PATENT INFORMATION:	US 4193983		19800318
APPLICATION INFO.:	US 1978-906514		19780516 (5)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Fagelson, Anna P.		
LEGAL REPRESENTATIVE:	Rowland, Bertram I.		
NUMBER OF CLAIMS:	17		
EXEMPLARY CLAIM:	1		
LINE COUNT:	1469		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The subject invention concerns novel compositions for use in immunoassays, as well as immunoassays employing such novel compositions. The compositions comprise discrete charged colloidal particles comprised of small molecules which particles are capable of retaining their discrete character in an aqueous medium and composed of aggregates of lipophilic and/or amphiphilic organic molecules to which are bound non-covalently a label capable of producing a detectible signal and a ligand or an analog of the ligand capable of competing with a ligand for a ligand receptor. The discrete colloidal particle serves as a hub or nucleus for retaining the ligand or its analog and the label within a limited locus.

The compositions are prepared by individually covalently bonding the ligand and the label, when not naturally lipophilic, to a lipophilic (includes amphiphilic) compound, normally a phospholipid. Depending upon the nature of the particle, the amphiphilic conjugated ligand and label are combined with the particle or alternatively may be combined with the

compounds employed for preparing the particle under particle forming conditions. Particles are then obtained having the analog of the ligand and the label bound to the particle.

The compositions find use in immunoassays where an interaction between the label and receptor provides a means for modulating a detectible signal. The interaction can be as a result of quenching or modification of fluorescence, where the label is a fluorescer, steric inhibition of the approach of a signal modifier to the label, such as a label receptor or with an enzyme label, an antienzyme or enzyme inhibitor, the inhibition of cleavage of an enzyme labile bond or the cooperative interaction of two labels, such as two enzymes, where the product of one enzyme is a substrate of another enzyme.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=>

(FILE 'HOME' ENTERED AT 13:22:01 ON 03 JUN 2003)

FILE 'BIOSIS, CABA, CAPLUS, EMBASE, LIFESCI, MEDLINE, SCISEARCH,
USPATFULL, JAPIO' ENTERED AT 13:23:17 ON 03 JUN 2003

L1	4560 S DETECT? (L) SYPHILIS
L2	66801 S SYNTHETIC (L) ANTIGEN
L3	705 S L1 AND L2
L4	35 S L3 AND CARDIOLIPIN
L5	21 S L4 AND LECITHIN
L6	16 DUP REM L5 (5 DUPLICATES REMOVED) E POPE
L7	34 S E3 AND VICTORIA
L8	1 S L7 AND CASTRO
L9	1 S L7 AND MORRILL E MORRILL
L10	21 S E3 AND WILLIAM
L11	0 S L10 AND SYPHILIS
L12	3 S E3 AND VICTORIA E POPE
L13	34 S E3 AND VICTORIA
L14	0 S L13 AND SYPHILIS
L15	17 S L5 AND CHOLESTEROL
L16	0 S L15 AND ANTIBOD
L17	12 S L15 AND ANTIBOD?

End of Result Set



Generate Collection

L10: Entry 4 of 4

File: DWPI

Dec 7, 1974

DERWENT-ACC-NO: 1975-02864W

DERWENT-WEEK: 197502

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TITLE: Aq. antigen suspension for serodiagnosis of syphilis - using active carbon or carbon activated by nitric acid as carrier

PATENT-ASSIGNEE: SUMITOMO CHEM CO LTD (SUMO)

PRIORITY-DATA: 1970JP-0010530 (February 5, 1970)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 74046051 B	December 7, 1974		000	

INT-CL (IPC): G01N 33/16

ABSTRACTED-PUB-NO: JP 74046051B

BASIC-ABSTRACT:

The antigen and carrier of particle size 0.05-1.0 u are suspended in water. The C is heated in 1-3N-nitric acid under reflux for about 2 hrs. in a water bath and washed repeatedly by decantation. After 3-5 days washing, Ph of the carrier dispersion becomes 4-5. The dispersion is neutralised with a sodium hydroxide soln. to pH 7.0. When active carbon is used in this case, the prod. cannot be used as such because it is irregular in size. So collection of the carbon with comparatively small particle size is repeated by decantation. The aq. suspension is obtd. by prepg. a suspension of cardiolipin, lecithin and cholesterol by mixing 1 pt. of antigen contng. 0.03% cardiolipin, 0.9% cholesterol and 0.2% lecithin with 9 pts. of a buffered sodium chloride soln. contng. sodium chloride, disodium hydrogen phosphate and potassium dihydrogen phosphate is centrifuged at 3000 rpm. for about 15 mins. and the supernatant liq. is discarded. To the residual white ppte., is added the carbon dispersed in a buffer soln. at pH 6.0-7.0, and the resultant mixt. is well shaken to obtain a homogeneous suspension contng. cardiolipin, cholesterol, lecithin and carbon.

In order to increase agglutination, a metal chelating agent, e.g. EDTA or citric acid, an amine, e.g. ammonium chloride or ethhanolamine, antiseptic, e.g. formalin, phenylmercuric nitrate or phenol and glycerol or ethylene glycol may be added to the carbon buffer soln. if needed. When one drop (1/60 ml.) of the prepd. antigen suspension is mixed with 0.03-0.05 ml. of positive serum and allowed to react for 2-5 mins. with rotation, a visible black agglutinated mass appears.

ABSTRACTED-PUB-NO: JP 74046051B

EQUIVALENT-ABSTRACTS:

DERWENT-CLASS: B04 S03 S05

CPI-CODES: B01-D02; B04-B01B; B04-B04C; B12-K04;

End of Result Set



Generate Collection

L10: Entry 4 of 4

File: DWPI

Dec 7, 1974

DERWENT-ACC-NO: 1975-02864W

DERWENT-WEEK: 197502

COPYRIGHT 2003 DERWENT INFORMATION LTD

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JP 74046051 B	December 7, 1974		000	

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In order to increase agglutination, a metal chelating agent, e.g. EDTA or citric acid, an amine, e.g. ammonium chloride or ethhanolamine, antiseptic, e.g. formalin, phenylmercuric nitrate or phenol and glycerol or ethylene glycol may be added to the carbon buffer soln. if needed. When one drop (1/60 ml.) of the prepd. antigen suspension is mixed with 0.03-0.05 ml. of positive serum and allowed to react for 2-5 mins. with rotation, a visible black agglutinated mass appears.

ABSTRACTED-PUB-NO: JP 74046051B

EQUIVALENT-ABSTRACTS:

End of Result Set

☐ **Generate Collection**

L10: Entry 4 of 4

File: DWPI

Dec 7, 1974

DERWENT-ACC-NO: 1975-02864W

DERWENT-WEEK: 197502

COPYRIGHT 2003 DERWENT INFORMATION LTD

TITLE: Aq. antigen suspension for serodiagnosis of syphilis - using active carbon or carbon activated by nitric acid as carrier

Basic Abstract Text (1):

The antigen and carrier of particle size 0.05-1.0 u are suspended in water. The C is heated in 1-3N-nitric acid under reflux for about 2 hrs. in a water bath and washed repeatedly by decantation. After 3-5 days washing, Ph of the carrier dispersion becomes 4-5. The dispersion is neutralised with a sodium hydroxide soln. to pH 7.0. When active carbon is used in this case, the prod. cannot be used as such because it is irregular in size. So collection of the carbon with comparatively small particle size is repeated by decantation. The aq. suspension is obtd. by prepg. a suspension of cardiolipin, lecithin and cholesterol by mixing 1 pt. of antigen contng. 0.03% cardiolipin, 0.9% cholesterol and 0.2% lecithin with 9 pts. of a buffered sodium chloride soln. contng. sodium chloride, disodium hydrogen phosphate and potassium dihydrogen phosphate is centrifuged at 3000 rpm. for about 15 mins. and the supernatant liq. is discarded. To the residual white ppte., is added the carbon dispersed in a buffer soln. at pH 6.0-7.0, and the resultant mixt. is well shaken to obtain a homogeneous suspension contng. cardiolipin, cholesterol, lecithin and carbon.

Standard Title Terms (1):

AQUEOUS ANTIGEN SUSPENSION SEROLOGICAL SYPHILIS ACTIVE CARBON CARBON ACTIVATE NITRIC ACID CARRY

End of Result Set

Generate Collection

L11: Entry 1 of 1

File: DWPI

Sep 11, 1998

DERWENT-ACC-NO: 1998-545872
DERWENT-WEEK: 199847
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TITLE: Anti-phospholipid antibody reagent for diagnosis of syphilis - comprises
compounding lipid antigen containing cardio lipin, lecithin and cholesterol with
insoluble carrier

PATENT-ASSIGNEE: SEKISUI CHEM IND CO LTD (SEKI)

PRIORITY-DATA: 1996JP-0347987 (December 26, 1996)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 10239315 A	September 11, 1998		005	G01N033/531

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
JP 10239315A	July 1, 1997	1997JP-0175797	

INT-CL (IPC): G01 N 33/53; G01 N 33/531; G01 N 33/571

ABSTRACTED-PUB-NO: JP 10239315A

BASIC-ABSTRACT:

Anti-phospholipid antibody reagent for diagnosis of syphilis comprises compound lipid antigen with 10 mu g of an insoluble carrier. The lipid antigen comprises 0.01-1.0 mu g of lecithin which is 3-15 times more than the amount of cardio lipin and cholesterol which is 0-5 times more than the amount of cardio lipin. The reaction time is 1- 10 hours and the temperature is kept at 30-55 deg. C.

ADVANTAGE - Enables precise measurement of multiple samples.

ABSTRACTED-PUB-NO: JP 10239315A

EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg.0/3

DERWENT-CLASS: B04 J04 S03

CPI-CODES: B01-D02; B04-B01B; B04-G01; B05-B01P; B11-C07A; B12-K04A4; J04-B01;

EPI-CODES: S03-E14H4;

End of Result Set

Generate Collection

L11: Entry 1 of 1

File: DWPI

Sep 11, 1998

DERWENT-ACC-NO: 1998-545872

DERWENT-WEEK: 199847

COPYRIGHT 2003 DERWENT INFORMATION LTD

TITLE: Anti-phospholipid antibody reagent for diagnosis of syphilis - comprises compounding lipid antigen containing cardio lipin, lecithin and cholesterol with insoluble carrier

PRIORITY-DATA: 1996JP-0347987 (December 26, 1996)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP <u>10239315</u> A	September 11, 1998		005	G01N033/531

INT-CL (IPC): G01 N 33/53; G01 N 33/531; G01 N 33/571

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ABSTRACTED-PUB-NO: JP 10239315A

EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg.0/3

End of Result Set

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Generate Collection

L11: Entry 1 of 1

File: DWPI

Sep 11, 1998

DERWENT-ACC-NO: 1998-545872
DERWENT-WEEK: 199847
COPYRIGHT 2003 DERWENT INFORMATION LTD

TITLE: Anti-phospholipid antibody reagent for diagnosis of syphilis - comprises compounding lipid antigen containing cardio lipin, lecithin and cholesterol with insoluble carrier

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PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP <u>10239315</u> A	September 11, 1998		005	G01N033/531

INT-CL (IPC): G01 N 33/53; G01 N 33/531; G01 N 33/571

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ADVANTAGE - Enables precise measurement of multiple samples.

WEST

Detail Page

1.Document ID: JPH10239315A

Application Number: 17579797

Publication Date: 19980911

Title:

- METHOD FOR MANUFACTURING ANTI-PHOSPHOLIPID ANTIBODY MEASURING REAGENT AND REAGENT

Inventor(s):

- OTA TETSUYA
- YOSHIKAWA KATSUMI

Assignee:

- SEKISUI CHEMICAL CO LTD

Priority:

- Priority Country: JP
- Priority Number: 17579797
- Priority Date: 19970701

Priority:

- Priority Country: JP
- Priority Number: 34798796
- Priority Date: 19961226

IPC:

- G01N 33/531
- G01N 33/53
- G01N 33/571

WEST☐ Generate Collection

L10: Entry 3 of 4

File: DWPI

Oct 5, 1978

DERWENT-ACC-NO: 1979-59379B
DERWENT-WEEK: 197932
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TITLE: Cardiolipin antigen for syphilis diagnosis - contg. cardiolipin, lecithin, cholesterol, butyl-oxy-toluene and absolute ethanol for accuracy

INVENTOR: GOLBETS, I I; SENNIKOV, G A ; SHVETS, V I

PATENT-ASSIGNEE: BACTERIAL PREPN WKS (BACTR), MOSC FINE CHEM MECH (MOFJ)

PRIORITY-DATA: 1977SU-2502377 (June 30, 1977)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
SU 629927 A	October 5, 1978		000	

INT-CL (IPC): A61K 39/00

ABSTRACTED-PUB-NO: SU 629927A
BASIC-ABSTRACT:

Cardiolipin antigen for diagnosis of syphilis comprises (in wt.%): cardiolipin (15-17)x10⁻³; lecithin (58-62)x10⁻³; cholesterol (2.9-3.1)x10⁻¹ butyloxy-toluene (19.5-20.5)x10⁻³ and absolute ethanol the rest.

The addn. of butyloxy-toluene improves the accuracy of diagnosis.

ABSTRACTED-PUB-NO: SU 629927A
EQUIVALENT-ABSTRACTS:

DERWENT-CLASS: B05
CPI-CODES: B01-D02; B04-B01B; B04-B04C; B05-B01P; B07-D04; B10-H01; B11-C07A; B12-K04;

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Generate Collection

L10: Entry 3 of 4

File: DWPI

Oct 5, 1978

DERWENT-ACC-NO: 1979-59379B
DERWENT-WEEK: 197932
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ABSTRACTED-PUB-NO: SU 629927A
EQUIVALENT-ABSTRACTS:



Generate Collection

L10: Entry 3 of 4

File: DWPI

Oct 5, 1978

DERWENT-ACC-NO: 1979-59379B

DERWENT-WEEK: 197932

COPYRIGHT 2003 DERWENT INFORMATION LTD

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Standard Title Terms (1):

CARDIOLIPIN ANTIGEN SYPHILIS DIAGNOSE CONTAIN CARDIOLIPIN LECITHIN CHOLESTEROL BUTYL OXY TOLUENE ABSOLUTE ETHANOL ACCURACY

☐ Generate Collection

L10: Entry 2 of 4

File: DWPI

Nov 26, 1993

DERWENT-ACC-NO: 1994-002490

DERWENT-WEEK: 199401

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TITLE: Immunoassay using lipid antigen for examining syphilis - by adding a sample to a reaction vessel contg. a solid phase carrier on which lipid antigen is fixed, carrying out antigen-antibody reaction, etc.

PATENT-ASSIGNEE: OLYMPUS OPTICAL CO LTD (OLYU)

PRIORITY-DATA: 1992JP-0117674 (May 11, 1992)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 05312808 A	November 26, 1993		006	G01N033/543

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
JP 05312808A	May 11, 1992	1992JP-0117674	

INT-CL (IPC): G01N 33/543; G01N 33/553; G01N 33/571

ABSTRACTED-PUB-NO: JP 05312808A

BASIC-ABSTRACT:

Immunoassay comprises (i) adding a sample to a reaction vessel contg. a solid phase carrier on which lipid antigen is fixed and carrying out the antigen-antibody reaction of the lipid antigen and antibody in the sample, (ii) adding antibody-sensitised magnetic particles to the reaction vessel and carrying out the antigen-antibody reaction of the antibody bound with the lipid antigen and the antibody-sensitised magnetic particles and (iii) determining a pattern formed on the carrier.

The lipid antigen pref. contains cardiolipin, lecithin and cholesterol. The ratio of the cardiolipin to the lecithin is 1-50 wt.%. The reaction vessel is a microplate well to U-form, flat or V-form bottom. Antibody used for sensitising the antibody-sensitised magnetic particles is anti-human IgG or anti-human IgM.

USE/ADVANTAGE - Used esp. for examining syphilis. The immunoassay can be completed in about 10 mins. in contrast with hours required for some previous enzyme immunoassays. Non-specific reaction can be depressed and stable analytical results of high S/N ratio can be obtd.. The judgment of positivity or negativity of syphilis can be easily and objectively carried out by eyes.

In an example, blood serum samples negative or positive to syphilis were examined by the immunoassay using anti-human IgG-sensitised particles contg. magnetic matter. When the blood serum sample was positive for syphilis, a distinct positive image of the particles extended over the whole surface of microplate well was obtd.. When the sample was negative, a button-form negative image aggregated at the bottom face of the well was obtd..

ABSTRACTED-PUB-NO: JP 05312808A

EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg.0/0

DERWENT-CLASS: B04 D16

CPI-CODES: B01-D02; B04-B01B; B04-B04C2; B04-B04D4; B04-G01; B11-C07A6; B12-K04A; D05-H09;

☐ Generate Collection

L10: Entry 2 of 4

File: DWPI

Nov 26, 1993

DERWENT-ACC-NO: 1994-002490
DERWENT-WEEK: 199401
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TITLE: Immunoassay using lipid antigen for examining syphilis - by adding a sample to a reaction vessel contg. a solid phase carrier on which lipid antigen is fixed, carrying out antigen-antibody reaction, etc.

PRIORITY-DATA: 1992JP-0117674 (May 11, 1992)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 05312808 A	November 26, 1993		006	G01N033/543

INT-CL (IPC): G01N 33/543; G01N 33/553; G01N 33/571

ABSTRACTED-PUB-NO: JP 05312808A

BASIC-ABSTRACT:

Immunoassay comprises (i) adding a sample to a reaction vessel contg. a solid phase carrier on which lipid antigen is fixed and carrying out the antigen-antibody reaction of the lipid antigen and antibody in the sample, (ii) adding antibody-sensitised magnetic particles to the reaction vessel and carrying out the antigen-antibody reaction of the antibody bound with the lipid antigen and the antibody-sensitised magnetic particles and (iii) determining a pattern formed on the carrier.

The lipid antigen pref. contains cardiolipin, lecithin and cholesterol. The ratio of the cardiolipin to the lecithin is 1-50 wt.%. The reaction vessel is a microplate well to U-form, flat or V-form bottom. Antibody used for sensitising the antibody-sensitised magnetic particles is anti-human IgG or anti-human IgM.

USE/ADVANTAGE - Used esp. for examining syphilis. The immunoassay can be completed in about 10 mins. in contrast with hours required for some previous enzyme immunoassays. Non-specific reaction can be depressed and stable analytical results of high S/N ratio can be obtd.. The judgment of positivity or negativity of syphilis can be easily and objectively carried out by eyes.

In an example, blood serum samples negative or positive to syphilis were examined by the immunoassay using anti-human IgG-sensitised particles contg. magnetic matter. When the blood serum sample was positive for syphilis, a distinct positive image of the particles extended over the whole surface of microplate well was obtd.. When the sample was negative, a button-form negative image aggregated at the bottom face of the well was obtd..

ABSTRACTED-PUB-NO: JP 05312808A
EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg.0/0



Generate Collection

L10: Entry 2 of 4

File: DWPI

Nov 26, 1993

DERWENT-ACC-NO: 1994-002490

DERWENT-WEEK: 199401

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TITLE: Immunoassay using lipid antigen for examining syphilis - by adding a sample to a reaction vessel contg. a solid phase carrier on which lipid antigen is fixed, carrying out antigen-antibody reaction, etc.

Basic Abstract Text (2):

The lipid antigen pref. contains cardiolipin, lecithin and cholesterol. The ratio of the cardiolipin to the lecithin is 1-50 wt.%. The reaction vessel is a microplate well to U-form, flat or V-form bottom. Antibody used for sensitising the antibody-sensitised magnetic particles is anti-human IgG or anti-human IgM.

Basic Abstract Text (3):

USE/ADVANTAGE - Used esp. for examining syphilis. The immunoassay can be completed in about 10 mins. in contrast with hours required for some previous enzyme immunoassays. Non-specific reaction can be depressed and stable analytical results of high S/N ratio can be obtd.. The judgment of positivity or negativity of syphilis can be easily and objectively carried out by eyes.

Basic Abstract Text (4):

In an example, blood serum samples negative or positive to syphilis were examined by the immunoassay using anti-human IgG-sensitised particles contg. magnetic matter. When the blood serum sample was positive for syphilis, a distinct positive image of the particles extended over the whole surface of microplate well was obtd.. When the sample was negative, a button-form negative image aggregated at the bottom face of the well was obtd..

Standard Title Terms (1):

IMMUNOASSAY LIPID ANTIGEN SYPHILIS ADD SAMPLE REACT VESSEL CONTAIN SOLID PHASE CARRY LIPID ANTIGEN FIX CARRY ANTIGEN ANTIBODY REACT